

| DOCUMENTS CONSIDERED TO BE RELEVANT   |   |   |  |
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| Category  | Citation of document with indication, where appropriate, of relevant passages   | Relevant to claim   | CLASSIFICATION OF THE APPLICATION (IPC)        |
| X   | US 5 125 012 A (SCHITTENHELM RUDOLF [DE])<br>23 June 1992 (1992-06-23)  | 1,8,9,12  | INV.<br>G01N23/04                              |
| Y   | * column 1, line 1 - line 37 *<br>* column 2, line 23 - line 56; figures 1,1a,2 *<br>* column 3, line 11 - column 4, line 32; figures 6,7 *                               | 10,11   | H05G1/46<br>A61B6/03<br>H01J35/06<br>H01J35/08 |
| X   | -----<br>US 6 181 765 B1 (SRIBAR ROK [US] ET AL)<br>30 January 2001 (2001-01-30)<br>* column 1, line 36 - line 18 *<br>* column 2, line 40 - column 4, line 29; figures * | 1,8,9,12  |  |
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| Y   | * abstract; figures 1-3,13-16,20-23,31-43   | 10,11   |  |
| A   | *<br>* paragraphs [0062], [0063] *  | 14,15   |  |
| A   | -----<br>US 2011/206179 A1 (BENDAHAN JOSEPH [US])<br>25 August 2011 (2011-08-25)<br>* paragraphs [0011], [0034] - [0035] *  | 10,14   |  |
|   | -----<br>-/--   |   |  |
| The supplementary search report has been based on the last set of claims valid and available at the start of the search.  |   |   |  |
| Place of search<br><b>Munich</b>  |   | Date of completion of the search<br><b>15 December 2016</b>   | Examiner<br><b>Krauss, Jan</b>                 |
| CATEGORY OF CITED DOCUMENTS   |   | T : theory or principle underlying the invention<br>E : earlier patent document, but published on, or after the filing date<br>D : document cited in the application<br>L : document cited for other reasons<br>.....<br>& : member of the same patent family, corresponding document |  |
| X : particularly relevant if taken alone<br>Y : particularly relevant if combined with another document of the same category<br>A : technological background<br>O : non-written disclosure<br>P : intermediate document |   |   |  |

**SUPPLEMENTARY  
EUROPEAN SEARCH REPORT**

Application Number  
EP 13 86 8705

| DOCUMENTS CONSIDERED TO BE RELEVANT   |   |   |   |
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| Category  | Citation of document with indication, where appropriate, of relevant passages   | Relevant to claim   | CLASSIFICATION OF THE APPLICATION (IPC) |
| A   | US 4 644 573 A (PALERMO ANTHONY [US] ET AL) 17 February 1987 (1987-02-17)<br>* column 2, line 19 - line 37 *  | 10,14   |   |
| X   | US 2010/254507 A1 (HAMPEL UWE [DE]) 7 October 2010 (2010-10-07)<br>* paragraphs [0002] - [0004], [0027] - [0038]; figures *                               | 12,13   |   |
| X   | US 4 669 102 A (PUUMALAINEN PERTTI [FI]) 26 May 1987 (1987-05-26)<br>* column 1, line 5 - line 10 *<br>* column 2, line 59 - column 4, line 17; figures * | 1,8,9,<br>12,13   |   |
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| The supplementary search report has been based on the last set of claims valid and available at the start of the search.  |   |   |   |
|   |   | TECHNICAL FIELDS SEARCHED (IPC)   |   |
|   |   |   |   |
| Place of search   |   | Date of completion of the search  | Examiner                                |
| Munich  |   | 15 December 2016  | Krauss, Jan                             |
| CATEGORY OF CITED DOCUMENTS   |   |   |   |
| X : particularly relevant if taken alone<br>Y : particularly relevant if combined with another document of the same category<br>A : technological background<br>O : non-written disclosure<br>P : intermediate document |   | T : theory or principle underlying the invention<br>E : earlier patent document, but published on, or after the filing date<br>D : document cited in the application<br>L : document cited for other reasons<br>.....<br>& : member of the same patent family, corresponding document |   |

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EPO FORM 1503 03 82 (P04C04)

### CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing claims for which payment was due.

- Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due and for those claims for which claims fees have been paid, namely claim(s):
- No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due.

### LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

- All further search fees have been paid within the fixed time limit. The present (supplementary) European search report has been drawn up for all claims.
- As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.
- Only part of the further search fees have been paid within the fixed time limit. The present (supplementary) European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:
- None of the further search fees have been paid within the fixed time limit. The present (supplementary) European search report has been drawn up for those parts of the European patent application which relate to the first mentioned in the claims, namely claims:

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-9, 12

dedicated to a CT device with a resonance acceleration cavity as defined in present claim 2

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2. claims: 10, 11, 14, 15

dedicated to a CT device with a driving mechanism configured to drive the circular electron beam transmission array to move to and fro as defined in present claim 10

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3. claim: 13

dedicated to a CT device with a scanning unit configured to divert the electron beams to implement a circular scanning together with a restrictor having a plurality of circularly distributed holes as defined in present claim 13

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**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 13 86 8705

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.  
The members are as contained in the European Patent Office EDP file on  
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

15-12-2016

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